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PUBLIC SERVICE
COMMISSION

July 7, 2014

Linda Faulkner
Filings Director
Kentucky Public Service Commission
P. O. Box 615
Frankfort, KY 40602

RE: Case No. 2011-00450

Dear Ms. Faulkner:

Enclosed is a copy of Fleming-Mason Energy's Annual Reliability Report.

Please contact the office if further information is required.

Sincerely,



Joni K. Hazelrigg
CFO

Enclosures

KENTUCKY PUBLIC SERVICE COMMISSION

Electric Distribution Utility Annual Reliability Report

SECTION 1: CONTACT INFORMATION

| | |
|----------------------------|----------------------|
| UTILITY NAME | FLEMING MASON ENERGY |
| REPORT PREPARED BY | BRANDON HUNT |
| E-MAIL ADDRESS OF PREPARER | bhunt@fme.coop |
| PHONE NUMBER OF PREPARER | 606-845-2661 |

SECTION 2: REPORTING YEAR

| | |
|-------------------------|------|
| CALENDAR YEAR OF REPORT | 2013 |
|-------------------------|------|

SECTION 3: MAJOR EVENT DAYS (MED)

| | |
|--|------------|
| T_{MED} | 11.7 |
| FIRST DATE USED TO DETERMINE T_{MED} | 1/1/2009 |
| LAST DATE USED TO DETERMINE T_{MED} | 12/31/2013 |
| NUMBER OF MED IN REPORT YEAR | 2 |

NOTE: Per IEEE 1366 T_{MED} should be calculated using the daily SAIDI values for the five prior years. If five years of data are not available, then utilities should use what is available until five years are accumulated.

SECTION 4: SYSTEM RELIABILITY INFORMATION AND RESULTS

System-wide Information

| | | | |
|-----------------|--------|----------------|----|
| TOTAL CUSTOMERS | 23,480 | TOTAL CIRCUITS | 42 |
|-----------------|--------|----------------|----|

Excluding MED

| | 5 YEAR AVERAGE | | REPORTING YEAR |
|-------|----------------|-------|----------------|
| SAIDI | 112.90 | SAIDI | 81.23 |
| SAIFI | 1.01 | SAIFI | 0.78 |

Including MED

| | 5 YEAR AVERAGE | | REPORTING YEAR |
|-------|----------------|-------|----------------|
| SAIDI | 224.3 | SAIDI | 152.9 |
| SAIFI | 1.32 | SAIFI | 1.07 |

Notes:

- 1) All duration indices (SAIDI) are to be reported in units of minutes.
- 2) Reports are due on the first business day of May of each year
- 3) Reports cover the calendar year ending in the December before the reports are due.
- 4) IEEE 1366 (latest version) is used to define SAIDI, SAIFI, and T_{MED}

KENTUCKY PUBLIC SERVICE COMMISSION

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1:

1. SUBSTATION NAME AND NUMBER
MURPHYSVILLE
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
MASON - MURPHYSVILLE RD - MURPHYSVILLE
3. CIRCUIT NAME AND NUMBER
BARRET PIKE - OCR 134
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
MASON - BARRET PIKE - MAYSVILLE
5. TOTAL CIRCUIT LENGTH (MILES)
24.8
6. CUSTOMER COUNT FOR THIS CIRCUIT
166
- 7.. DATE OF LAST CIRCUIT TRIM (VM)
2010
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

| | | | | | |
|--------------------|-------|---------------|-------|-----------------|------|
| Equipment Failure | 52.27 | Tree Failure | 41.77 | Cust Caused | 0.24 |
| Installation Fault | 0.12 | Tree w/ Ice | 0 | Motor Vehicle | 0 |
| Conductor Sag | 0 | In-house Tree | 0 | Public Cut Tree | 0 |
| Overload | 0 | Lightning | 3.08 | Public Other | 0 |
| Decay/Age Equip | 0.15 | Wind | | Other | 0 |
| Corrosion/Abrasion | 0 | Small Animal | 0.07 | Cause Unknown | 2.3 |
| Tree Growth | 0 | Animal | 0 | | |

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)
21.89
10. REPORTING YEAR (SAIDI)
25.2
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)
0.19
12. REPORTING YEAR (SAIFI)
0.23
13. CORRECTIVE ACTION PLAN

Several of the Equipment Failure's on this circuit were from broken porcelain cutouts. FME has already switched to polymer for new installations. Ckt will be monitored to see if whole ckt change outs are necessary.

REPEAT INFORMATION FOR EACH CIRCUIT EXCEEDING ITS 5 YEAR AVERAGE
FOR SAIDI AND/OR SAIFI

KENTUCKY PUBLIC SERVICE COMMISSION

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1:

1. SUBSTATION NAME AND NUMBER
Plummers Landing
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
Fleming, Plummers Landing Rd, Plummers Landing
3. CIRCUIT NAME AND NUMBER
Bluebank, OCR 114
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
Plummers Landing, KY-32, Bluebank
5. TOTAL CIRCUIT LENGTH (MILES)
54
6. CUSTOMER COUNT FOR THIS CIRCUIT
294
- 7.. DATE OF LAST CIRCUIT TRIM (VM)
2008
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

| | | | | | |
|---------------------------|--------------|----------------------|-------------|------------------------|-------------|
| Equipment Failure | 63.89 | Tree Failure | 0 | Cust Caused | 0 |
| Installation Fault | 0 | Tree w/ Ice | 0 | Motor Vehicle | 0 |
| Conductor Sag | 0 | In-house Tree | 0 | Public Cut Tree | 0 |
| Overload | 8.81 | Lightning | 1.29 | Public Other | 0 |
| Decay/Age Equip | 0 | Wind | 0 | Other | 0 |
| Corrosion/Abrasion | 0 | Small Animal | 2.02 | Cause Unknown | 22.3 |
| Tree Growth | 1.69 | Animal | 0 | | |

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)
13.8
10. REPORTING YEAR (SAIDI)
17.5
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)
0.21
12. REPORTING YEAR (SAIFI)
0.16
13. CORRECTIVE ACTION PLAN

Major cause in Equipment Failure was a conductor failure that had several consumer in outage. Will evaluate a conductor change on this particular section of line.

REPEAT INFORMATION FOR EACH CIRCUIT EXCEEDING ITS 5 YEAR AVERAGE FOR SAIDI AND/OR SAIFI

KENTUCKY PUBLIC SERVICE COMMISSION

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1:

1. SUBSTATION NAME AND NUMBER
Snow Hill
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
Robertson, KY 165, Piqua
3. CIRCUIT NAME AND NUMBER
Bluelicks, OCR-114
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
Piqua, US 68, Southern Robertson County/Nicholas County
5. TOTAL CIRCUIT LENGTH (MILES)
105
6. CUSTOMER COUNT FOR THIS CIRCUIT
633
- 7.. DATE OF LAST CIRCUIT TRIM (VM)
2010
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

| | | | | | |
|--------------------|-------|---------------|-------|-----------------|------|
| Equipment Failure | 67.84 | Tree Failure | 0 | Cust Caused | 0 |
| Installation Fault | 0 | Tree w/ Ice | 0 | Motor Vehicle | 3.88 |
| Conductor Sag | 0 | In-house Tree | 0 | Public Cut Tree | 0 |
| Overload | 0.07 | Lightning | 1.26 | Public Other | 0 |
| Decay/Age Equip | 0 | Wind | 12.44 | Other | 0.05 |
| Corrosion/Abrasion | 0 | Small Animal | 0.27 | Cause Unknown | 4.64 |
| Tree Growth | 9.51 | Animal | 0 | | |

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)
33.3
10. REPORTING YEAR (SAIDI)
76.8
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)
0.25
12. REPORTING YEAR (SAIFI)
0.45
13. CORRECTIVE ACTION PLAN

The major cause of Equipment Failure on this circuit were from a single large outage caused by a broken porcelain cutout. FME has already switched to polymer for new installations. Ckt will be monitored to see if whole ckt change outs are necessary.

REPEAT INFORMATION FOR EACH CIRCUIT EXCEEDING ITS 5 YEAR AVERAGE FOR SAIDI AND/OR SAIFI

KENTUCKY PUBLIC SERVICE COMMISSION

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1:

1. SUBSTATION NAME AND NUMBER
Flemingsburg
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
Fleming, Energy Rd, Flemingsburg
3. CIRCUIT NAME AND NUMBER
Cowan, OCR-114
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
Cowan, KY 32, Western Fleming County
5. TOTAL CIRCUIT LENGTH (MILES)
103
6. CUSTOMER COUNT FOR THIS CIRCUIT
686
- 7.. DATE OF LAST CIRCUIT TRIM (VM)
2009
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

| | | | | | |
|---------------------------|--------------|----------------------|-------------|------------------------|--------------|
| Equipment Failure | 64.75 | Tree Failure | 1.72 | Cust Caused | 0 |
| Installation Fault | 0 | Tree w/ Ice | 0 | Motor Vehicle | 0 |
| Conductor Sag | 0 | In-house Tree | 0 | Public Cut Tree | 17.32 |
| Overload | 0 | Lightning | 2.75 | Public Other | 0 |
| Decay/Age Equip | 1.59 | Wind | 0 | Other | 2.28 |
| Corrosion/Abrasion | 0 | Small Animal | 5.01 | Cause Unknown | 4.52 |
| Tree Growth | 0 | Animal | 0.05 | | |

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)
21.5
10. REPORTING YEAR (SAIDI)
42.3
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)
0.35
12. REPORTING YEAR (SAIFI)
0.72
13. CORRECTIVE ACTION PLAN

Major cause of Equipment Failure was insulator failure. Porcelain insulators were the failing point. FME has made the transition to polymer insulators on new installations.

**REPEAT INFORMATION FOR EACH CIRCUIT EXCEEDING ITS 5 YEAR AVERAGE
FOR SAIDI AND/OR SAIFI**

KENTUCKY PUBLIC SERVICE COMMISSION

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1:

1. SUBSTATION NAME AND NUMBER
Hilda
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
Rowan, KY 32, Morehead
3. CIRCUIT NAME AND NUMBER
Cranston, OCR-104
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
Cranston, Cranston, Eastern Rowan County
5. TOTAL CIRCUIT LENGTH (MILES)
63
6. CUSTOMER COUNT FOR THIS CIRCUIT
729
- 7.. DATE OF LAST CIRCUIT TRIM (VM)
2013
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

| | | | | | |
|---------------------------|--------------|----------------------|--------------|------------------------|-------------|
| Equipment Failure | 13.41 | Tree Failure | 79.19 | Cust Caused | 0.5 |
| Installation Fault | 0 | Tree w/ Ice | 0 | Motor Vehicle | 0.43 |
| Conductor Sag | 0 | In-house Tree | 3.86 | Public Cut Tree | 0 |
| Overload | 0 | Lightning | 1.31 | Public Other | 0 |
| Decay/Age Equip | 0 | Wind | 0 | Other | 0 |
| Corrosion/Abrasion | 0.25 | Small Animal | 0.07 | Cause Unknown | 0.65 |
| Tree Growth | 0 | Animal | 0 | | |
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)
23.3
10. REPORTING YEAR (SAIDI)
37.9
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)
0.17
12. REPORTING YEAR (SAIFI)
0.21
13. CORRECTIVE ACTION PLAN

This circuit was trimmed in this outage reporting year. Will monitor tree related outages.

**REPEAT INFORMATION FOR EACH CIRCUIT EXCEEDING ITS 5 YEAR AVERAGE
FOR SAIDI AND/OR SAIFI**

KENTUCKY PUBLIC SERVICE COMMISSION

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1:

1. SUBSTATION NAME AND NUMBER
Peasticks
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
Bath, Peasticks, Peasticks
3. CIRCUIT NAME AND NUMBER
Fordge Mill, OCR-114
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
Peasticks, Fordge Mill, Northern Bath County
5. TOTAL CIRCUIT LENGTH (MILES)
43
6. CUSTOMER COUNT FOR THIS CIRCUIT
382
- 7.. DATE OF LAST CIRCUIT TRIM (VM)
2008
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

| | | | | | |
|---------------------------|--------------|----------------------|--------------|------------------------|-------------|
| Equipment Failure | 47.59 | Tree Failure | 0.5 | Cust Caused | 3.79 |
| Installation Fault | 0 | Tree w/ Ice | 0 | Motor Vehicle | 0.21 |
| Conductor Sag | 0 | In-house Tree | 0 | Public Cut Tree | 0 |
| Overload | 0 | Lightning | 35.79 | Public Other | 6.29 |
| Decay/Age Equip | 0.41 | Wind | 0 | Other | 0 |
| Corrosion/Abrasion | 0 | Small Animal | 5.14 | Cause Unknown | 0.28 |
| Tree Growth | 0 | Animal | 0 | | |
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)
29.6
10. REPORTING YEAR (SAIDI)
25.9
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)
0.22
12. REPORTING YEAR (SAIFI)
0.31
13. CORRECTIVE ACTION PLAN

Storms caused damage to conductor and caused a large outage on the entire ckt.

REPEAT INFORMATION FOR EACH CIRCUIT EXCEEDING ITS 5 YEAR AVERAGE FOR SAIDI AND/OR SAIFI

KENTUCKY PUBLIC SERVICE COMMISSION

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1:

1. SUBSTATION NAME AND NUMBER
Peasticks
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
Bath, Peasticks, Peasticks
3. CIRCUIT NAME AND NUMBER
Hart Pike, OCR-144
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
Olympia, Hart Pike, Olympia
5. TOTAL CIRCUIT LENGTH (MILES)
27
6. CUSTOMER COUNT FOR THIS CIRCUIT
228
- 7.. DATE OF LAST CIRCUIT TRIM (VM)
2008
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

| | | | | | |
|---------------------------|----------|----------------------|-------------|------------------------|------------|
| Equipment Failure | 0 | Tree Failure | 93.8 | Cust Caused | 0 |
| Installation Fault | 0 | Tree w/ Ice | 0 | Motor Vehicle | 0 |
| Conductor Sag | 0 | In-house Tree | 0 | Public Cut Tree | 0 |
| Overload | 0 | Lightning | 1.52 | Public Other | 0 |
| Decay/Age Equip | 0 | Wind | 0 | Other | 0 |
| Corrosion/Abrasion | 0 | Small Animal | 0 | Cause Unknown | 3.9 |
| Tree Growth | 0 | Animal | 0 | | |
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)
11.2
10. REPORTING YEAR (SAIDI)
11.4
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)
0.14
12. REPORTING YEAR (SAIFI)
0.11
13. CORRECTIVE ACTION PLAN

One large tree related outage during a wind storm caused this ckt to be above it's average. Ckt is due to be trimmed in 2014

**REPEAT INFORMATION FOR EACH CIRCUIT EXCEEDING ITS 5 YEAR AVERAGE
FOR SAIDI AND/OR SAIFI**

KENTUCKY PUBLIC SERVICE COMMISSION

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1:

1. SUBSTATION NAME AND NUMBER
Plummers Landing
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
Fleming, Plummers Landing Rd, Plummers Landing
3. CIRCUIT NAME AND NUMBER
Hillsboro, OCR-144
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
Plummers Landing, KY 32-KY 1013, Eastern Fleming
5. TOTAL CIRCUIT LENGTH (MILES)
40
6. CUSTOMER COUNT FOR THIS CIRCUIT
326
- 7.. DATE OF LAST CIRCUIT TRIM (VM)
2013
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

| | | | | | |
|---------------------------|-------------|----------------------|--------------|------------------------|-------------|
| Equipment Failure | 1.49 | Tree Failure | 54.61 | Cust Caused | 0 |
| Installation Fault | 0 | Tree w/ Ice | 0 | Motor Vehicle | 0 |
| Conductor Sag | 0 | In-house Tree | 0 | Public Cut Tree | 0 |
| Overload | 0.81 | Lightning | 2.6 | Public Other | 0 |
| Decay/Age Equip | 8.68 | Wind | 0 | Other | 0 |
| Corrosion/Abrasion | 0 | Small Animal | 31.25 | Cause Unknown | 0.56 |
| Tree Growth | 0 | Animal | 0 | | |
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)
8.36
10. REPORTING YEAR (SAIDI)
4.97
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)
0.06
12. REPORTING YEAR (SAIFI)
0.076
13. CORRECTIVE ACTION PLAN

Circuit was trimmed during the reporting year. Will monitor tree related outages.

REPEAT INFORMATION FOR EACH CIRCUIT EXCEEDING ITS 5 YEAR AVERAGE FOR SAIDI AND/OR SAIFI

KENTUCKY PUBLIC SERVICE COMMISSION

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1:

1. SUBSTATION NAME AND NUMBER
Flemingsburg
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
Fleming, Energy Rd, Flemingsburg
3. CIRCUIT NAME AND NUMBER
Hospital, OCR-124
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
Flemingsburg, KY 32-Bypass, Flemingsburg Bypass
5. TOTAL CIRCUIT LENGTH (MILES)
5
6. CUSTOMER COUNT FOR THIS CIRCUIT
165
7. DATE OF LAST CIRCUIT TRIM (VM)
2008
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

| | | | | | |
|---------------------------|----------|----------------------|-------------|------------------------|------------|
| Equipment Failure | 0 | Tree Failure | 0 | Cust Caused | 0 |
| Installation Fault | 0 | Tree w/ Ice | 0 | Motor Vehicle | 0 |
| Conductor Sag | 8 | In-house Tree | 0 | Public Cut Tree | 0 |
| Overload | 0 | Lightning | 0 | Public Other | 0 |
| Decay/Age Equip | 0 | Wind | 0 | Other | 0 |
| Corrosion/Abrasion | 0 | Small Animal | 88.3 | Cause Unknown | 3.7 |
| Tree Growth | 0 | Animal | 0 | | |
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)
0.68
10. REPORTING YEAR (SAIDI)
0.5
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)
0.06
12. REPORTING YEAR (SAIFI)
0.08
13. CORRECTIVE ACTION PLAN

Outage percentage on this circuit were inflated due the small percentage of outages.

REPEAT INFORMATION FOR EACH CIRCUIT EXCEEDING ITS 5 YEAR AVERAGE FOR SAIDI AND/OR SAIFI

KENTUCKY PUBLIC SERVICE COMMISSION

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1:

1. SUBSTATION NAME AND NUMBER
Oak Ridge
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
Lewis, Oak Ridge Rd, Mt. Zion Ridge
3. CIRCUIT NAME AND NUMBER
Mudlick, OCR-144
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
Mudlick, OCR-144, KY 344, Fox Port
5. TOTAL CIRCUIT LENGTH (MILES)
150
6. CUSTOMER COUNT FOR THIS CIRCUIT
1280
- 7.. DATE OF LAST CIRCUIT TRIM (VM)
2012
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

| | | | | | |
|---------------------------|--------------|----------------------|--------------|------------------------|--------------|
| Equipment Failure | 10.53 | Tree Failure | 3146 | Cust Caused | 0.45 |
| Installation Fault | 0 | Tree w/ Ice | 0 | Motor Vehicle | 1.7 |
| Conductor Sag | 0 | In-house Tree | 0 | Public Cut Tree | 0 |
| Overload | 0 | Lightning | 0 | Public Other | 0 |
| Decay/Age Equip | 0 | Wind | 38.68 | Other | 0 |
| Corrosion/Abrasion | 0.19 | Small Animal | 1.7 | Cause Unknown | 14.79 |
| Tree Growth | 0 | Animal | 0 | | |
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)
58.97
10. REPORTING YEAR (SAIDI)
62.03
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)
0.76
12. REPORTING YEAR (SAIFI)
0.93
13. CORRECTIVE ACTION PLAN

Long circuit that has a lot of exposure. Will monitor tree related outages.

**REPEAT INFORMATION FOR EACH CIRCUIT EXCEEDING ITS 5 YEAR AVERAGE
FOR SAIDI AND/OR SAIFI**

KENTUCKY PUBLIC SERVICE COMMISSION

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1:

1. SUBSTATION NAME AND NUMBER
Plummers Landing
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
Fleming, Plummers Landing Rd, Plummers Landing
3. CIRCUIT NAME AND NUMBER
Muses Mill, OCR-124
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
Muses Mill, KY 1013, Muses Mill
5. TOTAL CIRCUIT LENGTH (MILES)
72
6. CUSTOMER COUNT FOR THIS CIRCUIT
489
- 7.. DATE OF LAST CIRCUIT TRIM (VM)
2013
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

| | | | | | |
|---------------------------|--------------|----------------------|-------------|------------------------|--------------|
| Equipment Failure | 65.97 | Tree Failure | 0.82 | Cust Caused | 0.14 |
| Installation Fault | 0 | Tree w/ Ice | 3.54 | Motor Vehicle | 0 |
| Conductor Sag | 0 | In-house Tree | 0 | Public Cut Tree | 2.13 |
| Overload | 0.08 | Lightning | 2.08 | Public Other | 0 |
| Decay/Age Equip | 0 | Wind | 0 | Other | 0 |
| Corrosion/Abrasion | 0.56 | Small Animal | 0.56 | Cause Unknown | 24.13 |
| Tree Growth | 0 | Animal | 0 | | |

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)
34.5
10. REPORTING YEAR (SAIDI)
26.85
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)
0.38
12. REPORTING YEAR (SAIFI)
0.79
13. CORRECTIVE ACTION PLAN

Two large outages, Recloser Failure and a Cutout Failure, caused Equipment Failure to be the highest percentage on this circuit. Relcoser maintenance has already been performed on this circuit.

**REPEAT INFORMATION FOR EACH CIRCUIT EXCEEDING ITS 5 YEAR AVERAGE
FOR SAIDI AND/OR SAIFI**

KENTUCKY PUBLIC SERVICE COMMISSION

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1:

1. SUBSTATION NAME AND NUMBER
Oak Ridge
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
Lewis, Oak Ridge, Mt. Zion Ridge
3. CIRCUIT NAME AND NUMBER
Petersville, OCR-134
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
Petersville, KY 344, Petersville
5. TOTAL CIRCUIT LENGTH (MILES)
33
6. CUSTOMER COUNT FOR THIS CIRCUIT
166
- 7.. DATE OF LAST CIRCUIT TRIM (VM)
2012
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

| | | | | | |
|---------------------------|-------------|----------------------|--------------|------------------------|--------------|
| Equipment Failure | 1.42 | Tree Failure | 51.63 | Cust Caused | 0.38 |
| Installation Fault | 0 | Tree w/ Ice | 0 | Motor Vehicle | 0 |
| Conductor Sag | 0 | In-house Tree | 0 | Public Cut Tree | 0 |
| Overload | 0 | Lightning | 0 | Public Other | 0 |
| Decay/Age Equip | 0 | Wind | 0 | Other | 0 |
| Corrosion/Abrasion | 0 | Small Animal | 0.43 | Cause Unknown | 46.15 |
| Tree Growth | 0 | Animal | 0 | | |
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)
11.06
10. REPORTING YEAR (SAIDI)
10.12
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)
0.09
12. REPORTING YEAR (SAIFI)
0.98
13. CORRECTIVE ACTION PLAN

A couple tree related outage during windy conditions resulted in Tree Failure being the highest percentage. Will monitor tree related outages.

REPEAT INFORMATION FOR EACH CIRCUIT EXCEEDING ITS 5 YEAR AVERAGE FOR SAIDI AND/OR SAIFI

KENTUCKY PUBLIC SERVICE COMMISSION

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1:

1. SUBSTATION NAME AND NUMBER
Hilda
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
Rowan, KY 32, Morehead
3. CIRCUIT NAME AND NUMBER
Pine Hills, OCR-134
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
Hilda, KY 32, Pine Hills-Big Woods
5. TOTAL CIRCUIT LENGTH (MILES)
53
6. CUSTOMER COUNT FOR THIS CIRCUIT
1034
- 7.. DATE OF LAST CIRCUIT TRIM (VM)
2012
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

| | | | | | |
|---------------------------|-------------|----------------------|--------------|------------------------|-------------|
| Equipment Failure | 0.52 | Tree Failure | 94.98 | Cust Caused | 0.11 |
| Installation Fault | 0 | Tree w/ Ice | 0 | Motor Vehicle | 2.23 |
| Conductor Sag | 0 | In-house Tree | 0 | Public Cut Tree | 0 |
| Overload | 0 | Lightning | 0.17 | Public Other | 0 |
| Decay/Age Equip | 0 | Wind | 0 | Other | 0 |
| Corrosion/Abrasion | 0 | Small Animal | 0.21 | Cause Unknown | 1.78 |
| Tree Growth | 0 | Animal | 0 | | |
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)
39.6
10. REPORTING YEAR (SAIDI)
71
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)
0.27
12. REPORTING YEAR (SAIFI)
0.37
13. CORRECTIVE ACTION PLAN

A tree limb fell during a wind storm and damaged a 3 phase recloser serving the majority of this circuit. Will monitor tree related outages.

**REPEAT INFORMATION FOR EACH CIRCUIT EXCEEDING ITS 5 YEAR AVERAGE
FOR SAIDI AND/OR SAIFI**

KENTUCKY PUBLIC SERVICE COMMISSION

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1:

1. SUBSTATION NAME AND NUMBER
Snow Hill
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
Robertson, KY 165, Piqua
3. CIRCUIT NAME AND NUMBER
Piqua, OCR-134
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
Piqua, KY 165, Southern Robertson County
5. TOTAL CIRCUIT LENGTH (MILES)
33
6. CUSTOMER COUNT FOR THIS CIRCUIT
171
- 7.. DATE OF LAST CIRCUIT TRIM (VM)
2010
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

| | | | | | |
|---------------------------|--------------|----------------------|-------------|------------------------|--------------|
| Equipment Failure | 0 | Tree Failure | 0 | Cust Caused | 0 |
| Installation Fault | 61.33 | Tree w/ Ice | 0 | Motor Vehicle | 0 |
| Conductor Sag | 0 | In-house Tree | 0 | Public Cut Tree | 24.53 |
| Overload | 0 | Lightning | 6.68 | Public Other | 0 |
| Decay/Age Equip | 0 | Wind | 0 | Other | 0 |
| Corrosion/Abrasion | 0 | Small Animal | 0 | Cause Unknown | 7.46 |
| Tree Growth | 0 | Animal | 0 | | |
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)
9.89
10. REPORTING YEAR (SAIDI)
12.04
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)
0.08
12. REPORTING YEAR (SAIFI)
0.1
13. CORRECTIVE ACTION PLAN

An installation fault did not provide enough clearance on a jumper. This caused the largest outage of the year on this circuit.

REPEAT INFORMATION FOR EACH CIRCUIT EXCEEDING ITS 5 YEAR AVERAGE FOR SAIDI AND/OR SAIFI

KENTUCKY PUBLIC SERVICE COMMISSION

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1:

1. SUBSTATION NAME AND NUMBER
Murphysville
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
MASON - MURPHYSVILLE RD - MURPHYSVILLE
3. CIRCUIT NAME AND NUMBER
Stonewall, OCR-124
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
Stonewall, KY 596, Western Bracken County
5. TOTAL CIRCUIT LENGTH (MILES)
215
6. CUSTOMER COUNT FOR THIS CIRCUIT
1403
- 7.. DATE OF LAST CIRCUIT TRIM (VM)
2009
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

| | | | | | |
|---------------------------|-------------|----------------------|--------------|------------------------|--------------|
| Equipment Failure | 0.46 | Tree Failure | 0 | Cust Caused | 0.07 |
| Installation Fault | 0 | Tree w/ Ice | 0 | Motor Vehicle | 0.45 |
| Conductor Sag | 0 | In-house Tree | 0 | Public Cut Tree | 0 |
| Overload | 0.07 | Lightning | 20.27 | Public Other | 0 |
| Decay/Age Equip | 6.31 | Wind | 54.03 | Other | 0 |
| Corrosion/Abrasion | 2.1 | Small Animal | 2.02 | Cause Unknown | 13.67 |
| Tree Growth | 0 | Animal | 0.19 | | |
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)
83.8
10. REPORTING YEAR (SAIDI)
106.98
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)
0.66
12. REPORTING YEAR (SAIFI)
0.86
13. CORRECTIVE ACTION PLAN

Circuit is extremley long with a lot of exposure. Wind was the major outage cause.

REPEAT INFORMATION FOR EACH CIRCUIT EXCEEDING ITS 5 YEAR AVERAGE FOR SAIDI AND/OR SAIFI

KENTUCKY PUBLIC SERVICE COMMISSION

SECTION 6: VEGETATION MANAGEMENT PLAN REVIEW

INCLUDE CURRENT VEGETATION MANAGEMENT PLAN

Additional page may be attached as needed.

2014 - Peasticks

Plummers Landing (Blue Bank)

Flemingsburg (Hospital, Toyo Seat, Underbuild)

Trimming Cycle - 6 years

Spaying Cycle - 3 years

SECTION 7: UTILITY COMMENTS